

[illegible]

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Ile Tyr Asn Leu Asn Tyr Lys Tyr Gln Tyr Lys Asn Lys Ile Asn Leu
10 15 20 25
tat tta ata aga caa gga tta aat ata aat tta ata aaa aat tta tct 148
Tyr Leu Ile Arg Gln Gly Leu Asn Ile Asn Leu Ile Lys Asn Leu Ser
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Ser Asn Ile Phe Leu Tyr Met Phe Ile Tyr Asn Phe Lys Lys Tyr Ser
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tta aaa tta tta aat ata ttt aaa tta cct gat tgg aat ttt ttt gat 244
Leu Lys Leu Leu Asn Ile Phe Lys Leu Pro Asp Trp Asn Phe Phe Asp
60 65 70
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Cys Pro Asn Ile Asn Tyr Asp Asn Ile Ile Tyr Tyr Ser Ser Ile Leu
75 80 85
aaa gat aat aat tta ata tat tat tta aaa aat aat tta aat att gaa 340
Lys Asp Asn Asn Leu Ile Tyr Tyr Leu Lys Asn Asn Leu Asn Ile Glu
90 95 100 105
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Phe Leu Asp Ser Ile Leu Ile Lys Asn Asn Ser Ile Asp Ile Ile Phe
110 115 120
gat agt atg tct att tta cat act aca caa tat ttt tta aaa aaa tth 436
Asp Ser Met Ser Ile Leu His Thr Thr Gln Tyr Phe Leu Lys Lys Xaa
125 130 135
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-2-

gga ata att ttt tta cct tta ttt gat att ata ttt aaa tat cct tta	484
Gly Ile Ile Phe Leu Pro Leu Phe Asp Ile Ile Phe Lys Tyr Pro Leu	
140 145 150	
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Leu Ile Lys Lys Tyr Leu Gly Thr Ile Ile Ser Tyr Lys Asp Asn Phe	
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Phe Ala Asn Ile Asn Ser Ile Ile Phe Ser Glu Gly Ser Phe Cys Tyr	
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ata cct aaa tat gta aag tgt aat ttt aat tta tca aca tat ttt aaa	628
Ile Pro Lys Tyr Val Lys Cys Asn Phe Asn Leu Ser Thr Tyr Phe Lys	
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Thr Asn Ser Ser Asp Phe Ala Gln Phe Glu Arg Thr Leu Ile Ile Val	
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Gly Lys Tyr Ser Tyr Val Ser Tyr Leu Glu Gly Cys Thr Ala Ser Leu	
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Tyr Lys Glu Ser Gln Leu His Val Ala Ile Val Glu Ile Ile Val Lys	
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Asp Tyr Gly Tyr Ile Lys Tyr Tyr Thr Leu Gln Asn Trp Tyr Arg Gly	
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gat tat tta ggt aat ggt ggt tta tat aat ttt aca act aaa cgt ggt	868
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tat ata att tct aaa agt ata tct tta aat aac tca tta aat ata ttt	1108
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09787633-074004

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Gly	Phe	Val	Thr	Asn	Ile	Glu	Ala	Asp	Ala	Ile	Pro	Arg	Gly	Leu	Ser	
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Glu	Asp	Val	Val	Arg	Leu	Ile	Ser	Ala	Lys	Lys	Asn	Glu	Pro	Glu	Phe	
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gaa Glu 145	gac Asp	ggg Gly	gta Val	att Ile	ttc Phe 150	tgt Cys	tct Ser	att Ile	tct Ser	gaa Glu 155	gca Ala	ttg Leu	cag Gln	gaa Glu	cat His 160	480
ccc Pro	gac Asp	ctg Leu	gtg Val 165	caa Gln	aaa Lys	tat Tyr	ttg Leu	ggc Gly 170	agt Ser	gtg Val	gtg Val	ccc Pro	acc Thr	gcc Ala 175	gac Asp	528
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gtt Val	ttt Phe 195	att Ile	ccc Pro	aaa Lys	ggg Gly	gtg Val	aag Lys 200	tgt Cys	ccc Pro	atg Met	gaa Glu 205	ttg Leu	tcc Ser	acc Thr	tat Tyr	624
ttc Phe 210	cgc Arg	att Ile	aat Asn	aat Asn	ggg Gly	gat Asp 215	acg Thr	ggg Gly	cag Gln	ttt Phe 220	gag Glu	cgg Arg	aca Thr	tta Leu	att Ile	672
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gct Ala	cta Leu	gat Asp	aat Asn 260	gct Ala	gac Asp	att Ile	aaa Lys	tat Tyr 265	tcc Ser	acc Thr	gta Val	caa Gln	aac Asn 270	tgg Trp	tac Tyr	816
gct Ala	ggg Gly	gac Asp	gaa Glu	aat Asn	ggc Gly	aag Lys	ggc Gly 280	gga Gly	att Ile	tac Tyr	aac Asn 285	ttt Phe	gtg Val	act Thr	aaa Lys	864

-5-

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 Lys Gln Gln Ala Asp Thr Gly Thr Lys Met Ile His Ile Gly Lys Asn
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 acc cgt agt atc att att tcc aaa ggc att tcc gct ggt aat tcc gcc 1104
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 Asn Ser Tyr Arg Gly Leu Val Lys Met Gly Pro Lys Ala Gln Gly Ala
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 Ala Asn Thr Phe Pro Tyr Ile Gln Val Asp Asn Asn Thr Ala Lys Val
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 Glu His Glu Ala Ser Thr Ser Lys Ile Gly Glu Asp Gln Leu Phe Tyr
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 Phe Ala Gln Arg Gly Ile Ser Glu Glu Asp Ala Val Ser Met Leu Val
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Asn Thr Glu Ala Thr Asp Asp Val Lys Thr Trp Thr Gly Gly Pro Leu	
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aat tat aaa gaa gga ttc ttc acc cag tta gcc acc gat gag ctg gca	144
Asn Tyr Lys Glu Gly Phe Phe Thr Gln Leu Ala Thr Asp Glu Leu Ala	
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Lys Gly Ile Asn Glu Glu Val Val Arg Ala Ile Ser Ala Lys Arg Asn	
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gag ccg gag tgg atg ctg gag ttt cgt cta aac gcc tat cgc gca tgg	240
Glu Pro Glu Trp Met Leu Glu Phe Arg Leu Asn Ala Tyr Arg Ala Trp	
65 70 75 80	
ctg gag atg gaa gaa ccg cac tgg ttg aaa gcg cac tac gac aag ctg	288
Leu Glu Met Glu Glu Pro His Trp Leu Lys Ala His Tyr Asp Lys Leu	
85 90 95	
aat tat cag gat tac agc tac tac tca gca cca tcg tgc ggt aat tgt	336
Asn Tyr Gln Asp Tyr Ser Tyr Tyr Ser Ala Pro Ser Cys Gly Asn Cys	
100 105 110	
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Asp Asp Thr Cys Ala Ser Glu Pro Gly Ala Val Gln Gln Thr Gly Ala	
115 120 125	
aac gcc ttt tta agt aaa gag gtg gag gcg gcg ttt gag cag ttg ggc	432
Asn Ala Phe Leu Ser Lys Glu Val Glu Ala Ala Phe Glu Gln Leu Gly	
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gtt ccc gtg cgg gaa ggc aaa gag gtg gcg gtg gat gcc att ttc gac	480
Val Pro Val Arg Glu Gly Lys Glu Val Ala Val Asp Ala Ile Phe Asp	
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Ser Val Ser Val Ala Thr Thr Tyr Arg Glu Lys Leu Ala Glu Gln Gly	
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Ile Ile Phe Cys Ser Phe Gly Glu Ala Ile His Asp His Pro Glu Leu	
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Val Arg Lys Tyr Leu Gly Thr Val Val Pro Gly Asn Asp Asn Phe Phe	
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225			230			235							240			
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275						280							285			
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290						295							300			
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305			310						315				320			
gaa Glu	ggc Gly	gaa Glu	aac Asn	agc Ser	aaa Lys	atg Met	tca Ser	tgg Trp	acg Thr	caa Gln	tca Ser	gaa Glu	acc Thr	ggg Gly	tca Ser	1008
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370						375							380			
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385			390			395							400			
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[illegible]